

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 05/17/2022 09:25 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124976	-1	1.32	124891	1.30
Blue	F	SSC	125000	123278	-2	2.65	123736	2.49
Blue	E	FITC	13602	13228	-3	2.18	371	13.17
Blue	D	PE	24891	24514	-2	1.64	583	10.56
Blue	B	PerCP-Cy5-5	33972	33390	-2	2.93	954	14.69
Blue	A	PE-Cy7	22865	22754	-1	4.84	471	30.19
Red	C	APC	47198	46566	-2	2.59	1613	11.46
Red	A	APC-Cy7	26454	25886	-3	2.97	732	12.01
Violet	B	V450	6737	6531	-4	3.17	452	10.98
Violet	A	V500	29317	28237	-4	2.67	964	8.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24036	2.39	560	25	N/A	N/A	Pass
Blue	F	SSC	55595	1.92	518	-3	N/A	N/A	Pass
Blue	E	FITC	55	53.22	486	2	0.0456	97	Pass
Blue	D	PE	113	37.53	489	3	0.3492	218	Pass
Blue	B	PerCP-Cy5-5	150	40.95	583	4	0.0204	76	Pass
Blue	A	PE-Cy7	78	80.87	626	5	0.0232	8	Pass
Red	C	APC	338	25.95	574	2	0.0282	199	Pass
Red	A	APC-Cy7	136	35.42	552	1	0.0070	1895	Pass
Violet	B	V450	77	47.27	447	-3	0.0695	2932	Pass
Violet	A	V500	115	31.67	466	-3	0.0251	992	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.89	-31.71	1.12
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.35	13.90 - 20.86	N/A	N/A	30.05	30.32	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9695

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments